

Title (en)

Policy based routing using a fast filter processor

Title (de)

Richtlinienbasierte Leitweglenkung unter Verwendung eines Prozessors zur schnellen Filterung

Title (fr)

Acheminement basé sur directives utilisant un processeur de filtrage rapide

Publication

EP 1729462 A1 20061206 (EN)

Application

EP 06006943 A 20060331

Priority

- US 68640005 P 20050602
- US 28968705 A 20051130

Abstract (en)

A network device for processing packets. The network device includes applying specific fields from a packet to an associated memory device and comparing means for comparing input to the memory device with entries in the memory device. The network device also includes enabling means for enabling selection of bits, by the memory device, that are required to match exactly with bits from the input to the memory device. The network device further includes outputting means for outputting an address for a matched entry by the memory device and applying means for applying a match from the memory device to an associated entry in a table for applying actions from the table that are associated with the match to the packet.

IPC 8 full level

H04L 12/56 (2006.01)

CPC (source: EP US)

H04L 45/00 (2013.01 - EP US); **H04L 45/742** (2013.01 - EP US); **H04L 47/10** (2013.01 - US); **H04L 69/12** (2013.01 - EP US)

Citation (applicant)

US 2002010791 A1 20020124 - KALKUNTE MOHAN [US], et al

Citation (search report)

- [X] US 2002010791 A1 20020124 - KALKUNTE MOHAN [US], et al
- [A] US 2004236720 A1 20041125 - BASSO CLAUDE [US], et al
- [A] US 2005076010 A1 20050407 - BASS BRIAN MITCHELL [US], et al

Designated contracting state (EPC)

DE FR GB

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

US 2006114908 A1 20060601; **US 8014390 B2 20110906**; CN 1874313 A 20061206; CN 1874313 B 20110907; EP 1729462 A1 20061206; EP 1729462 B1 20120530; TW 200715765 A 20070416; TW I363529 B 20120501

DOCDB simple family (application)

US 28968705 A 20051130; CN 200610084582 A 20060602; EP 06006943 A 20060331; TW 95119365 A 20060601